

Local Control Measures in New Jersey



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Overview

- Selection Process for Potential Local Control Measures
- Overview of White Papers
- Description of Potential Local Control Measures

Review of the Process

- June 29, 2005 - First Workshop
 - Six workgroups formed
 - » Diesel initiatives
 - » Gasoline Cars and Trucks
 - » Homes and Restaurants
 - » Non-Automobile Gasoline Engines
 - » Stationary Combustion Sources
 - » Volatile Organic Compounds

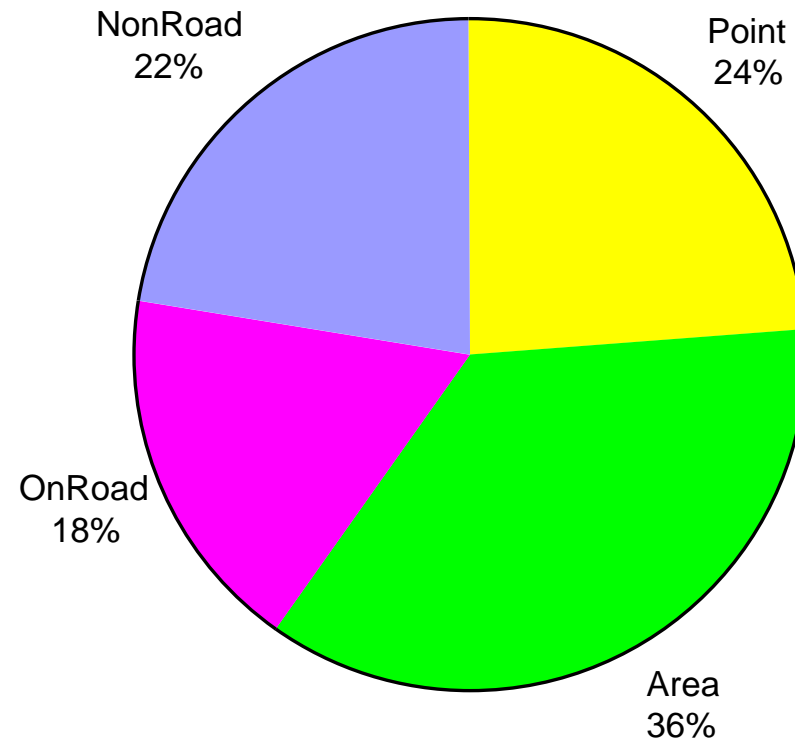
Review of the Process (Continued)

- Summer of 2005
 - Workgroups meet - brainstorming sessions
- Fall/Winter 2005
 - Workgroups submit reports to NJDEP
 - Air workshop - November 14, 2005
 - ~ 250 potential control measures

Review of Recommendations

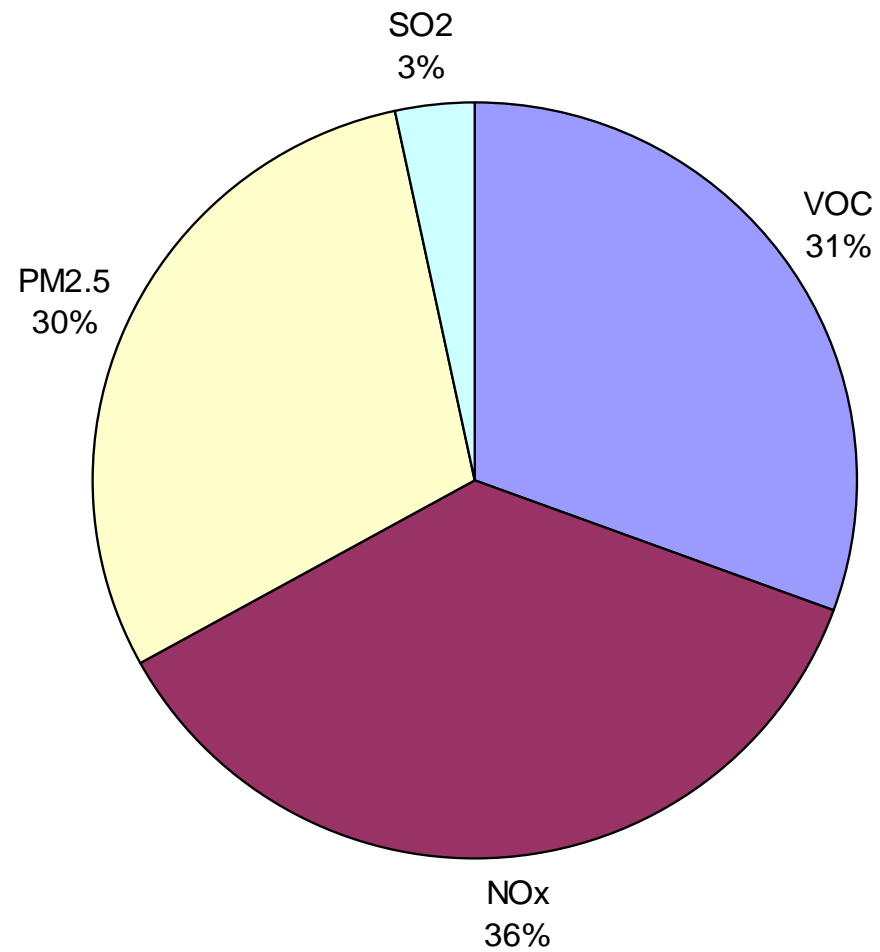
- Workgroup measures + Reasonably Available Control Measures (RACM)
- Reviewed by Air Program Managers
- 60 White Papers

Summary of White Papers (By Sector)

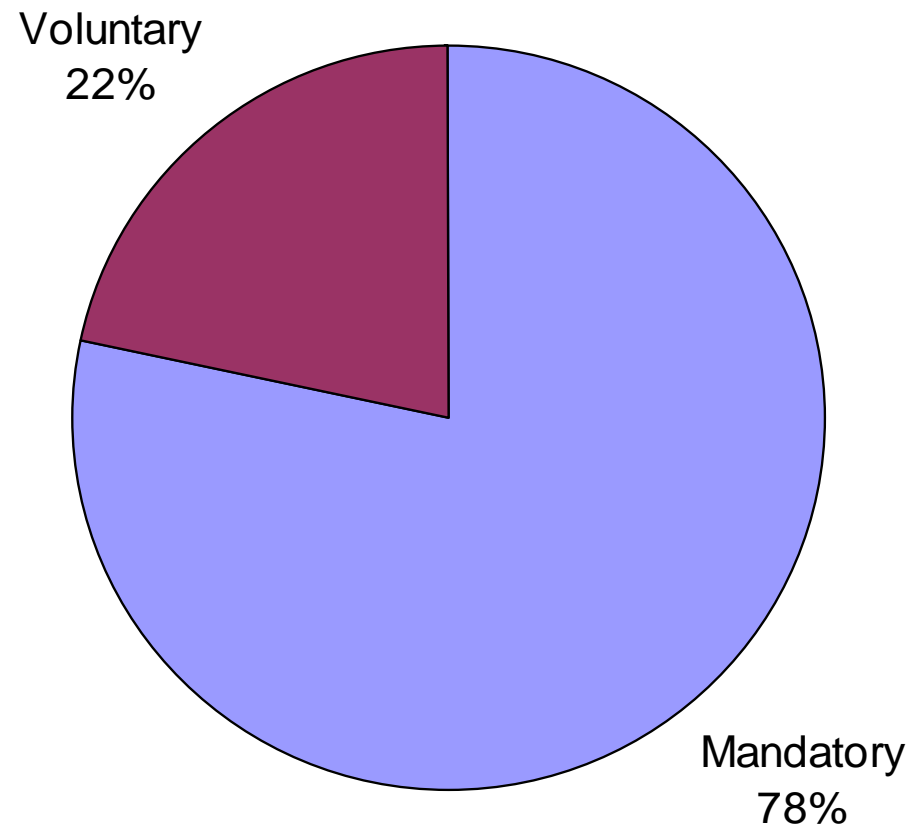


Total Number of White Papers - 60

Summary of White Papers (By Pollutants Impacted)



Summary of White Papers (By Program Type)



<u>Reference #</u>	<u>Topic</u>
SCS001	Electric Generating Peaking Units
SCS002	Biodiesel: An Alternative Fuel to be Considered
SCS003	ICI Boilers
SCS004A	Process Heaters & Boilers in a Petroleum Refinery
SCS004B	Flares In a Petroleum Refinery
SCS004C	Fluid Catalytic Cracking Unit (FCCU) & FCU in a Petroleum Refinery
SCS005A	BPU Clean Energy Efforts and their Interactions with the NOx Trading Program
SCS005B	Potential Emission Savings from Implementation of an Emission Portfolio Standard
SCS006A	Coal Fired EGU Boilers
SCS006B	No. 6 Oil Fired EGU Boilers
SCS007	Glass/Fiberglass Furnaces
SCS008	Asphalt Production Plants
SCS009	Municipal Waste Combustors (MWCs)
DI001	On-Road Vehicle Idling
DI002	Non-Road Idling
DI003	Idling Reduction for Train Engines
DI004	Providing Electric Power to Ships (Cold Ironing) at the Ports
DI005	Leveraging Public Contracts to Achieve Diesel Reductions
DI006	Leveraging Airport Leases to Achieve Reductions from Ground Support Equipment
DI007	Formalization Process for Choosing Voluntary Diesel Projects
DI008	Use of Low Sulfur Diesel Fuel for the Maritime Sector
DI009	Early Retirement Program for Heavy Duty Diesel Vehicles
DI010	Chip Reflash
DI011	Opacity Cutpoint Revision
DI012	Light Duty Diesel Vehicle Inspection
DI013	Medium Duty Vehicle Inspection
DI014	NOx Rules for Stationary Sources
CT002	Low Income Repair Assistance Program (LIRAP)
CT003	Vehicle Trip Reduction
CT004	Efficient Vehicle Purchase Incentives/Disincentives

 **REGIONAL**
 **RACT**
 **LOCAL**

NA001	Encourage the USEPA to Implement More Stringent Federal Emissions Standards for New Nonroad Spark Ignited Engines
NA002 (& NA006)	Increasing the Rate of Small Engine Turnovers through the Use of Incentive-Based Initiatives
NA003	Green Star Program for Landscaping
NA004	Public Education and Outreach on Best Management Practices that will Reduce Emissions from Small Engines
NA005	Insure Proper Disposal of Fuel Samples After Daily Aircraft Pre-Flight Checks
NA007	Stage II Vapor Recovery Compatibility for Boat Fuelling and Marina Gasoline Fueling Facilities
NA008	Variable Registration Fees for Boat Engines
HR001	Regional Sulfur Fuel Oil Controls
HR002 (& HR003)	Set More Stringent Standards for Wood Stoves And Fireplace Inserts
HR004 (& HR005)	Wood Stove and Fireplace Insert Change-out Programs
HR006	A Multi-Stage Approach to Outdoor Wood Burning Equipment
HR007	A Multi-Stage Approach for Wood Burning Issues at the Local Level
HR008	Investigate Changing Subchapter 2 to Decrease the Amount of Open Burning Performed Under Permits in New Jersey
HR009	Increasing Public Relations/Outreach/Education and Extending BPU Programs that Address Energy-Efficiency and Renewable Energy
HR010	Restaurant Controls
HR011	Require Owners of Wood Burning Fireplaces to Change-over to Natural Gas Fireplaces and Allow Only Natural Gas Fireplaces in New Construction
VOC001	Consumer Products
VOC002	Portable Fuel Container (PFC) Amendments
VOC003	Vapor Recovery Systems at Gasoline Service Stations
VOC004	Floating Roof Storage of Petroleum Products
VOC005	Expanding Refinery Controls to Other Similar Facilities
VOC006	Industrial Surface Coatings
VOC007	Public Relations Regarding Degreasing Regulations
VOC008	Public Outreach Regarding Gasoline Dispensing
VOC010	Architectural and Industrial Maintenance Coatings
VOC011	Adhesives and Sealants (SCC- 2440020000)
VOC012	Cutback and Emulsified Asphalt Paving
GEN001	Pollution Action Day Controls
GEN002	Air Quality Stewardship - Government and Business Purchasing
GEN003	Air Quality Stewardship - Cultivating Personal Choices

Local Control Measures (40)

Eight categories

- Energy Efficiency
- Wood Burning
- Fuels
- Point Sources
- Mobile Sources: Diesel
- Mobile Sources: Diesel Vehicle Inspection and Maintenance
- Mobile Sources: Gasoline
- Public Education/Stewardship

Energy Efficiency

- BPU Clean Energy and the NO_x Budget Program
- Increase Public Relations/ Outreach/ Education and Extending BPU Programs that Address Energy-Efficiency and Renewable Energy

Wood Burning

- Set More Stringent Standards
 - New Wood Stoves
 - Fireplace Inserts
- Wood Stove and Fireplace Insert
 - Replacement Programs
- Outdoor Wood Boilers
- Residential Wood Burning Impacts
- Smarter Smoke Management
 - Open Burning Permits

Wood Burning

- Wood Burning Fireplaces
 - Change-over to Natural Gas Fireplaces
 - Only Natural Gas Fireplaces in New Construction

Other

- Restaurant Controls

Fuels

- Biodiesel
- Low Sulfur Diesel Fuel for the Maritime Sector
- Proper Disposal of Fuel Samples After Daily Aircraft Pre-Flight Checks
- Stage II Vapor Recovery Compatibility for Boat Fueling and Marina Gasoline Fueling Facilities
- Vapor Recovery Systems at Gasoline Service Stations - Vent

Stationary Sources

- Potential Emission Savings from Implementation of an Emission Portfolio Standard
- Expanding Refinery Controls to Other Similar Facilities

Mobile Sources: Diesel

- On-Road Vehicle Idling
- Non-Road Idling
- Idling Reduction for Locomotives
- Providing Electric Power to Ships (Cold Ironing) at the Ports
- Leveraging Public Contracts to Achieve Diesel Reductions

Mobile Sources: Diesel

- Airport Leases to Achieve Emission Reductions from Ground Support Equipment
- Voluntary Diesel Projects
- Early Retirement Program for Heavy Duty Diesel Vehicles

Mobile Sources: Diesel Vehicle Inspection and Maintenance

- Heavy Duty - Opacity Cutpoint Revision
- Medium Duty
- Light Duty

Mobile Sources: Gasoline

- Low Income Repair Assistance Program(LIRAP)
- Vehicle Trip Reduction
- Efficient Vehicle Purchase Incentives/ Disincentives
- Encourage the USEPA to Implement More Stringent Federal Emissions Standards for New Nonroad Spark Ignited Engines

Mobile Sources: Gasoline

- Increasing the Rate of Small Engine Turnovers through the Use of Incentive-Based Initiatives
- Green Star Program for Landscaping
- Variable Registration Fees for Boat Engines

Public Education/Stewardship

- Best Management Practices that will Reduce Emissions from Small Engines
- Degreasing Regulations
- Gasoline Dispensing
- Pollution Action Day Actions
- Government and Business Purchasing
- Cultivating Personal Choices

Summary

- Additional local opportunities for emission reductions in New Jersey if OTC measures and RACT do not result in enough emission reductions for attainment

<http://www.state.nj.us/dep/airworkgroups/2006update.html>

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The NJDEP welcomes public feedback on this and any white papers through June 16, 2006.